

JUSTIFICATION FOR Brand Name (Simplified Acquisitions <\$150K)

The service or material listed on N6889315RCY8001 is sole source and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

Restricted to the following source. Provide Carrier name. (If a sole source manufacturer distributes via dealers, ALSO provide dealer information.)

Manufacturer: TX Technology

Manufacturer POC & phone nr: Nancy Edwards / 973-442-7500

Mfr. Address: 7 Emery Avenue, Randolph, New Jersey 07869

Dealer / Rep: Same as above

Dealer / Rep address / phone nr: Same as above

X Description of the item or service required, the estimated cost, and required delivery date.

This requirement is for the procurement of various TX Technology dehydrator parts. The estimated cost for the dehydrator parts is \$43,544.77. The required delivery date is as soon as possible.

X Specific characteristics of the material or service that limit the availability to a sole source (unique features, function of the item, etc.). Describe in detail why only this suggested source can furnish the requirements to the exclusion of other sources.

The Naval Computer and Telecommunication (NAVCOMTELSTA) command in Sicily, Italy currently has three (3), 5200 series dehydrators, which are manufactured by TX Technology. The 5200 series dehydrator is a medium sized fully Duplex Air Dryer, designed for an intermediate size pressurization system. The 5200 features two completely independent humidity shutdown alarms and compressor alarms, which facilitate maintenance on one system while sustaining continued dry air from the other system. The dehydrators are vital as they provide positive air pressure to dielectric heliax transmission lines for HR and LF antennas. The positive pressure within the transmission lines is required to prevent moisture from entering, and potentially causing corrosion and arcing of electrical current.

The current dehydrators are thirty-four plus years in age, and are severely degraded. The current dehydrator parts are worn out considerably and are no longer creating a productive and vigorous environment for personnel. Only one of the three dehydrators is currently operational; thus, causing air pressurization problems for the command. The required TX Technology dehydrator parts are essential to get all three of the dehydrators functioning at full capacity.

TX Technology is the original equipment manufacturer (OEM), and the provider of factory-supported and authorized dehydrator equipment. Procuring dehydrator parts from another manufacturer would result in the command losing the ability to produce clean, dried, low pressure air. No other manufacturer's dehydrator parts will suffice.

X The requested material or service represents the minimum requirements of the government.

CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

X The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect, or interface with the existing system.

The required TX Technology dehydrator parts will flawlessly integrate with the existing TX Technology dehydrators; therefore, creating positive air pressure that will keep contaminants and moisture out of the transmission line insulation.

If the required TX Technology dehydrator parts are not procured, the command will lose air pressure completely. If air pressure is lost in its entirety, the transmission lines will have to be excavated to repair moisture damage. The cost associated with digging up the transmission lines to repair moisture damage is drastically higher and more time consuming than replacing the needed parts.

Additionally, the three dehydrators on site cost \$26,000.00 per unit. Procuring the required parts will minimize the government's cost of having to completely replace the dehydrators, which would cost the government approximately \$78,000.00. Due to form and fit, no other manufacturer's dehydrator parts will suffice.

 A patent, copyright or proprietary data limits competition. The proprietary data is


X These are "direct replacements" parts/components for existing equipment.

 Other information to support a sole source buy:

I CERTIFY THAT STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE, ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.

Signature  Title DEPARTMENTAL LPO

Activity NCTS - NISSEM Date 29 APR 15

Contracting Officer Signature 

Date 4/24/15
SAP Sole Source